

IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

PATENT APPLICATION

INVENTOR(S) Hui-Ling Lou
Markus Rupp

CASE 13-13

TITLE Multiplier-Free Methods and Apparatus for Signal
Processing in a Digital Communication System

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

SIR:

Enclosed are the following papers relating to the above-named application for patent:

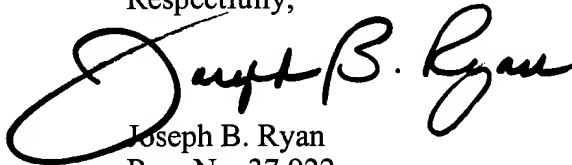
Specification
10 Sheets of informal drawing(s)

| CLAIMS AS FILED | | | | |
|---|-----------|-----------|----------|--------------|
| | NO. FILED | NO. EXTRA | RATE | CALCULATIONS |
| Total Claims | 25-20 = | 5 | x \$18 = | \$90 |
| Independent Claims | 5-3 = | 2 | x \$78 = | \$156 |
| Multiple Dependent Claim(s), if applicable | | | \$260 = | \$0 |
| Basic Fee | | | | \$760 |
| TOTAL FEE: | | | | \$1006 |

Please file the application and charge **Lucent Technologies Deposit Account No. 12-2325** the amount of \$1006, to cover the filing fee. Duplicate copies of this letter are enclosed. In the event of non-payment or improper payment of a required fee, the Commissioner is authorized to charge or to credit **Deposit Account No. 12-2325** as required to correct the error.

Please address all correspondence to: **Joseph B. Ryan, Ryan & Mason, L.L.P., 90 Forest Avenue, Locust Valley, New York 11560.** Telephone calls should be made to the under-signed attorney at (516) 759-7517.

Respectfully,



Joseph B. Ryan
Reg. No. 37,922
Attorney for Applicant(s)

Date: September 3, 1999
Ryan & Mason, L.L.P.
90 Forest Avenue
Locust Valley, New York 11560

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I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated below and is addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231.

Date of Deposit: September 3, 1999

Signature: Teresa M. Hanlin

JC553 U.S. PTO
09/390389